

CASSETTE CAR STEREO WITH FM/AM TUNER LECTEUR DE CASSETTE STEREO POUR VOITURE AVEC SYNTONISEUR FM/AM

OWNER'S MANUAL MODE D'EMPLOI

Thank you for purchasing this PIONEER product. Before attempting operation, be sure to read this manual.

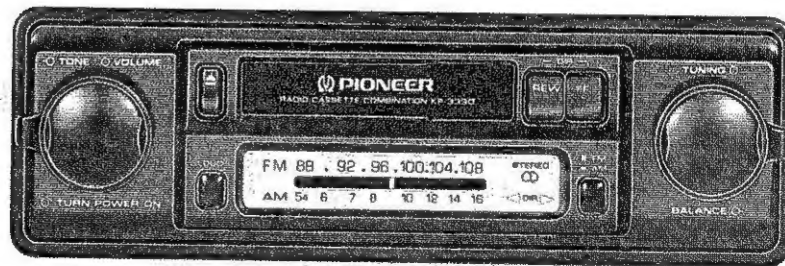
See reverse side of the package box for instruction of installation.

Nous vous remercions d'avoir acheté cet appareil PIONEER. Avant de l'utiliser, prendre soin de lire ce manuel.

Voir les instructions d'installation au dos du carton d'emballage.

Muchas gracias por la adquisición de este producto PIONEER. Antes de tratar de operarlo, lea atentamente este manual.

Véase el dorso de la caja para las instrucciones sobre la instalación.



 **PIONEER®**

KP-3330

Connections

Note:

- To avoid shorts in the electrical system, be sure to disconnect the battery \ominus cable before beginning installation.
- Replace fuse only with the type stipulated on the fuse holder.
- Be sure to properly connect the color coded leads. Failure to do so can cause malfunctions.
- When the power amp is being linked with this system, be sure not to connect the blue lead to the amp's power terminal. Likewise, when linking this system with the auto-antenna, do not connect to power terminal for the antenna. Such connection can make overcurrent cause malfunctions.

Black (ground)	To vehicle (metal) body.
Blue	If this unit is combined with a power amp, connect its blue lead to the blue lead (system control terminal) of the power amp. If combined with an auto-antenna, connect its blue lead to the relay control terminal of the auto-antenna. (MAX. 300 mA, 12 V DC)
Red	To electric terminal controlled by ignition switch (12 V DC) ON/OFF.

• Antenna Trimmer Adjustment

Wire tentatively before mounting. Tune in a frequency in the vicinity of 1,400 kHz in AM band and adjust the antenna trimmer using a Phillips head screwdriver until optimum reception is attained. (Fig. 1)

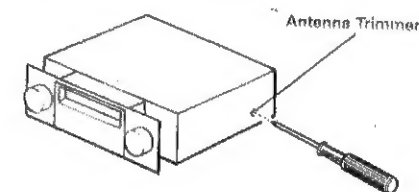
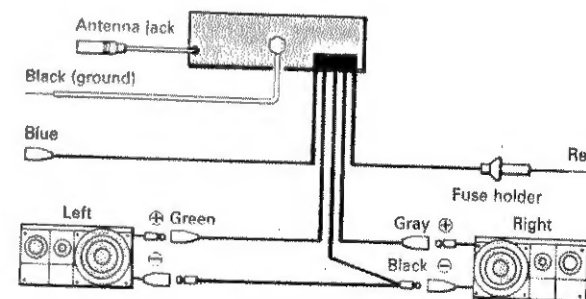
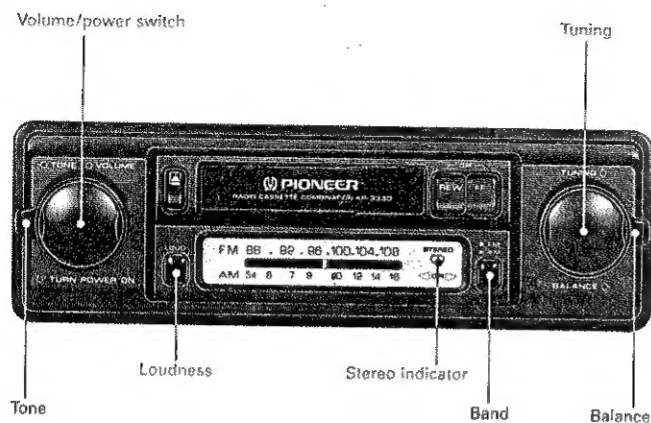


Fig. 1



Using the Radio



• Before attempting operation...

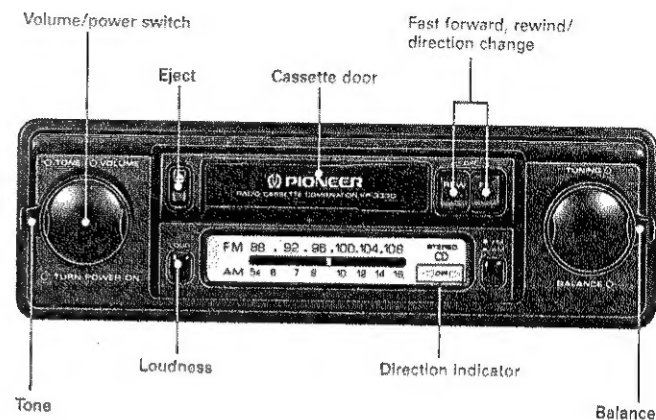
- Since the set is designed preferentially for tape play, eject a cassette tape, if mounted, before operating the radio.

1. Turn the power switch to the right to switch power ON.
2. Press the band switch to select the band.
3. Turn the tuning knob to select a frequency.
4. Adjust the volume and balance.
5. Adjust the tone.

• Loudness Switch

When playing back a tape or listening to the radio at low volume, the low and high tones are emphasized and more clearly heard by pressing this switch.

Using the Tape Deck



1. Turn the power switch to the right to switch power ON.
2. Loading a cassette tape into the load slot causes playback to begin automatically.
3. Adjust the volume and balance.
4. Adjust the tone.
5. When tape playback reaches the end of the tape, playback will automatically switch from the side being played to the opposite side (i.e. Side A to Side B or vice versa) (Auto-reverse). To stop the tape during playback, press the eject button.

Care and Maintenance

- A loose or warped label on a cassette tape may interfere with the eject mechanism of the unit or cause the cassette to become jammed in the unit. Avoid using such tapes or remove such labels from the cassette before attempting use.
- Do not try to eject the cassette immediately after insertion, as it will cause malfunction. Wait a few seconds.
- Be sure to eject the tape when the vehicle's ignition is turned OFF. Leaving the tape in the unit can deform the pinch roller causing wow and flutter during tape playback.
- Loose tapes should be rewound with the aid of a pencil and unevenly wound tapes rewound with the use of the fast forward function.

• Fast Forward/Rewind

Press the fast forward button to advance the tape at high speed and the rewind button for high speed return.

In fast-forward, the tape automatically switches from one side to the other when it reaches the end of the tape, and begins play from the other side (Auto-reverse).

In rewind, the tape automatically starts play after rewinding all the way back to the beginning of the tape (Auto-replay).

Fast forward and rewind can be terminated by pressing the respective opposite high-speed tape transport button.

• Change in Tape Direction

To change Side A to B or vice versa, push buttons Fast Forward and Rewind simultaneously.

- Do not use tapes longer than C-90-type (90 min.) cassettes. Longer tapes can interfere with tape transport.
- If the playback head becomes dirty, sound quality will suffer. Periodically (once or twice a month) clean the heads with a cotton swab soaked with alcohol. (Fig. 1)
- Storing cassettes in areas directly exposed to sunlight or high temperatures can distort them and subsequently interfere with tape transport. (Fig. 2)
- Store unused tapes in a tape case where there is no danger of them becoming loose or being exposed to dust.

• After Service

In the event this unit does not function properly, contact your dealer or the nearest authorized PIONEER Service Center.

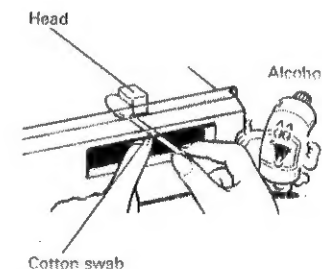


Fig. 1



Fig. 2

Specifications

• These specifications apply to the model sold in the USA and Canada.

General	
Power source	14.4 V DC (10.8 — 15.6 V allowable)
Grounding system	Negative type
Max. current consumption	1.7 A
Dimensions (chassis)	180(W) × 50(H) × 130(D) mm [7-1/8(W) × 2(H) × 5-1/8(D) in.]
(nose)	105(W) × 42(H) × 39.5(D) mm [4-1/8(W) × 1-5/8(H) × 1-1/2(D) in.]
Shaft interval	147 mm (5-3/4 in.)
Weight	1.3 kg (2.9 lbs.)

Amplifier	
Continuous power output is 3.2 W per channel min. into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD.	
Maximum power output	8.5 W × 2 (EIAJ)
Load impedance	4 Ω (2 — 8 Ω allowable)
Loudness contour	+10 dB (100 Hz), +7 dB (10 kHz) (volume: -30 dB)

Tape player	
Tape	Compact cassette tape (C-30 — C-90)
Tape speed	4.8 cm/sec. (1-7/8 ips.)
Fast forward/rewind time	Approx. 105 sec. for C-60
Wow & flutter	0.13% (WRMS)
Frequency response	50 — 14,000 Hz (±3 dB)
Stereo separation	45 dB
Signal-to-noise ratio	52 dB (IEF-A network)

FM tuner	
Frequency range	88 — 108 MHz
Usable sensitivity	15 dBf (1.6 μV/75 Ω, mono)
50 dB quieting sensitivity	20 dBf (2.8 μV/75 Ω, mono)
Signal-to-noise ratio	65 dB (IEF-A network)
Distortion	0.6% (at 65 dBf, 1 kHz, stereo)
Frequency response	50 — 15,000 Hz (±3 dB)
Stereo separation	35 dB (at 65 dBf, 1 kHz)
Selectivity	60 dB (2ACA) (±400 kHz)
Three-signal intermodulation (desire signal level)	60 dBf (two undesire signal level: 110 dBf)

AM tuner	
Frequency range	530 — 1,620 kHz
Usable sensitivity	18 μV (25 dB) (S/N: 20 dB)
Selectivity	40 dB (±10 kHz)

These specifications were determined and are presented in accordance with specification standards established by the Ad Hoc Committee of Car Stereo Manufacturers.

Note:
Specifications and the design are subject to possible modification without notice due to improvements.

• These specifications apply to models sold outside of the USA and Canada.

General	
Power source	14.4 V DC (10.8 — 15.6 V allowable)
Grounding system	Negative type
Max. current consumption	1.7 A
Dimensions (chassis)	180(W) × 50(H) × 130(D) mm (nose) 105(W) × 42(H) × 39.5(D) mm
Shaft interval	147 mm
Weight	1.3 kg

Amplifier	
Maximum power output	8.5 W × 2 (EIAJ)
Continuous power output	4.5 W × 2 (1% dist. at 1 kHz)
Continuous power output is 3.2 W per channel min. into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD.	
Load impedance	4 Ω (2 — 8 Ω allowable)
Loudness contour	+10 dB (100 Hz), +7 dB (10 kHz) (volume: -30 dB)

Tape player	
Tape	Compact cassette tape (C-30 — C-90)
Tape speed	4.8 cm/sec. (1-7/8 ips.)
Fast forward/rewind time	Approx. 105 sec. for C-60
Wow & flutter	0.13% (WRMS)
Frequency response	50 — 14,000 Hz (±3 dB)
Stereo separation	45 dB
Signal-to-noise ratio	52 dB (IEC-A network)

FM tuner	
Frequency range	87.5 — 108 MHz
Usable sensitivity	15 dBf (1.6 μV/75 Ω, mono)
50 dB quieting sensitivity	20 dBf (2.8 μV/75 Ω, mono)
Signal-to-noise ratio	65 dB (IEC-A network)
Distortion	0.6% (at 65 dBf, 1 kHz, stereo)
Frequency response	50 — 15,000 Hz (±3 dB)
Stereo separation	35 dB (at 65 dBf, 1 kHz)

AM tuner	
Frequency range	531 — 1,602 kHz
Usable sensitivity	18 μV (25 dB) (S/N: 20 dB)
Selectivity	40 dB (±9 kHz)

Note:
Specifications and the design are subject to possible modification without notice due to improvements.

Important

The serial number of this device is located on the bottom of the unit.

For your own security and convenience, be sure to record this number on the enclosed warranty card.

(These instructions apply to the model sold in the USA and Canada.)